stand-alone network interface device



OAM/IP-Based Remotely Managed 10/100BASE-TX to (2) 100BASE-X

SFBRM1040-140

Redundant OAM/IP-Based Remotely Managed NID (Network Interface Device)

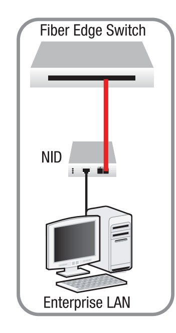


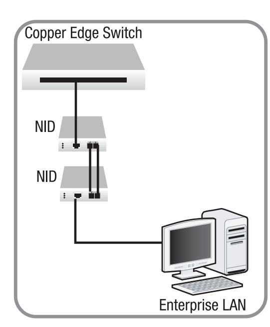
Features

- MEF 9 & MEF 14 Carrier Ethernet Certification
- Two remote management modes:
  - IP-Based Remote Management
  - In-Band OAM 802.3ah (remote device managed by local peer)
- SNMP v1
- AutoCross™
- Auto-Negotiation
- Pause
- Transparent Link Pass Through
- Far-End-Fault
- Remote Loopback
- IEEE 802.1p QoS packet classification with 4 egress queues
- Ipv4 IP TOS and DiffServ QoS classification, IPv6 Traffic class
- IEEE 802.1q VLAN, 4096 entries
- Static MAC, 64 entries
- Double VLAN tagging (C-tag/S-tag)(Q-in-Q)
- IEEE 802.1x Port based security
- RADIUS client
- RMON counters for each port
- Bandwidth allocation per port
- DMI Optical Management
- USB port for basic setup
- Cable diagnostic function for TP ports
- 8K MAC addresses
- Remote Firmware Upgrade

- Applications:
  - Ethernet in the First Mile (EFM)
  - Fiber to the Premise (FTTP), E-Line and E-LAN
  - Enterprise markets

Remotely Managed 10/100 NID IP or OAM Management





Specifications

Standards	IEEE Std. 802.3™, IEEE Std. 802.3ah, IEEE Std. 802.1P, IEEE Std. 802.1Q, IEEE Std. 802.1X
Data Rate	Copper: 10/100 Fiber: 100 Mbps
Filtering Addresses	8K MAC Addresses
Max Frame Size	1628 bytes
Dimensions	Width: 3.4" [86 mm] Depth: 5.0" [127 mm] Height: 1.0" [25 mm]
Power Consumption	4.8 watts
Environment	0 – 50°C; 5% – 95% humidity non-condensing; 0 – 10,000 ft. altitude
Shipping Weight	2 lbs. [0.90 kg]
Regulatory Compliance	EN55024, FCC Class A, CE Mark, UL
Warranty	Lifetime

Ordering Info

SFBRM1040-140
10/100BASE-TX (RJ-45) **[100 m]**
to (2) 100BASE-X SFP Slots (empty)

Note: unit features USB port for local management application.

Optional Accessories
(sold separately)

Wide Input (18 – 72VDC) Power Supplies:

SPS-1872-PS
Piggy Back Power Supply

SPS-1872-SA
Stand-Alone Power Supply

Mounting Options:

E-MCR-05
12-slot Media Converter Rack

RMS19-SA4-01
4-slot Media Converter Shelf

WMBD
DIN Rail Bracket 5.0" [127 mm]

WMBL
Wall Mount Bracket 4.0" [102 mm]

USB Cables:

USBC-AM-BM-03
USB 2.0 Cable A male to B male [3ft. Gray]

USBC-AM-BM-06
USB 2.0 Cable A male to B male [6ft. Gray]



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